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MOSCOW ELECTRICAL INDUSTRY  
BOASTS NEW PRODUCTS, BETTER METHODS

The following items present information on the activities of electrical industry plants in Moscow during the period 30 December 1949 - 14 March 1950. Numbers in parentheses refer to the appended sources.

Electric Machine-Building Plant imeni Vladimir Il'ich

3 Jan: Has developed a new electric motor, the AO-83, designed for use in the textile industry. The motor will soon be in series production.(1)

13 Jan: Currently produces 20 different types of electric motors. During 1950 it will get 24 new types into production. Designers are working on a new super-depth electric motor which will operate in petroleum shafts as far down as 5,000 meters below the surface.(2)

3 Feb: Preparations for series production of the DAMVSh electric motor are nearly complete.(3)

Electric Bulb Plant

30 Dec: Will make 8 million more bulbs in 1950 than during 1949. Series production of automobile headlight bulbs will be begun. Output of fluorescent bulbs will be eight times as great as during 1949.(4)

27 Jan: The plant's specialists are working with scientific institutes in Moscow to develop new methods of obtaining luminophora, the powder which covers the inside of fluorescent bulb tubes and glows under the effect of the gas discharge. They are also collaborating with workers from the Institute of Plant Physiology of the Academy of Sciences USSR on experiments in the speeding of plant growth under winter conditions by means of exposure to daylight bulbs. The experiments are proceeding successfully.(5)

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4 Feb: The plant laboratory is developing new bulbs of various spectral characteristics, and is discovering new methods of producing luminophora. Luminescent bulbs are being widely used in greenhouses and hothouses to speed plant growth. The bulb for this purpose was developed in collaboration with the Institute of Plant Physiology. (6)

#### Dinamo Plant imeni Kirov

7 Jan: During the past 2-3 years, the Dinamo Plant has begun production of electrical equipment for the new automatically controlled Diesel engines, equipment for 1,500- and 3,000-volt suburban rail motor-cars, a new single-series traction engine for subway trains, trams, trolley- and autobuses, a new series of AC crane engines, and electric equipment for 3-cubic-meter excavators. During 1950, the plant is to increase the output of crane engines 60 percent, tram engines and apparatus 37 percent, and mining equipment 17 percent. (7)

11 Jan: Pledges to exceed January plan by 50 commutator box assemblies for MT series electric motors. A new conveyer has been set up in machine-shop No 3 for assembly of a new series of crane motors. (8,9)

#### Transformer Plant

3 Feb: The Moscow Transformer Plant imeni Kuybyshev had achieved the 1950 level for average monthly output of power transformers. The plant was the original builder of the 60,000-kilowatt-ampere transformer. The plant's workers restored the transformer equipment at the Dnepr GES, Azovstal' Plant, and Zaporozhstal', and it has built new transformers for the Stalinogorsk GES, Donbass mines, etc. It is now preparing for production of transformers for substations of the high buildings now under construction in Moscow. The plant has pledged to complete five special (unikal'nyy) power transformers for Mosenergo and the Donbass. (10)

#### Electric Tools Plant

14 Mar: In January, the Moscow Electric Tools Plant began a special drive to complete its Five-Year Plan by election day. Today, that objective was attained. In 4 years and 2 months the plant had produced for industry and agriculture 200,000 wire-cutting shears and flat-nosed pliers, an equal number of screw taps and screw dies, tens of thousands of drill chucks, blow torches, tool kits, and other items. (11)

#### Instruments Plant

13 Feb: The conversion of ammeter and voltmeter production to conveyor-line methods has enabled the plant to exceed its monthly quotas. A conveyor line from the raw materials warehouse to the billet shop is now under construction. This will complete the mechanization of the plant's processes. (12)

#### Izolyator Plant

16 Feb: Has completed a consignment of high-voltage bushings. Will soon begin production of high-frequency insulators. (13)

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Fizelektropribor Plant

13 Feb: Has developed a new type of high-precision electrical measuring instrument for voltage, current and resistance. The instrument is designed for use in laboratories, institutes and plants. Five more will be produced by 12 March.(12)

Electric Pump Plant

13 Feb: During the first quarter of 1950 the production of P-22 emulsion pumps for machine tools will be put on conveyer belts. Five separate lines will be in operation. Four are under construction, one is already in service.(13)

Cable Industry Institute

10 Feb: Needs the following personnel for permanent work in Moscow: electrical engineer for post of chief mechanical engineer; rubber and plastics engineer for division head position; electrical engineer to head control and measurements laboratory; high-tension electrical engineers; mechanical engineers experienced in machine design; construction engineers experienced in estimates, construction engineers experienced in planning; and electrical engineers experienced in planning.(14)

ATE Plant No 2

10 Feb: The Moscow Automobile and Tractor Electrical Equipment Plant No 2 will soon be several months ahead in the production of distributors. It is pushing the preparation of the necessary equipment for undertaking manufacture of this item. A special shop for reconditioning of worn-out cutting tools has been set up. By 12 March, 120,000 rubles' worth of tools will have been reconditioned.(14)

Detal' Electric Repair Plant

9 Feb: Accepting orders for repair of electric motors below 100 kilowatts, welding apparatus, and transformers.(15)

27 Feb: Accepting orders for repair of electric motors. Will also do winding for transformers. Quick service on orders.(16)

Cable Plant (Moskabel')

26 Feb: Has begun using a finer type of natural silk for insulating windings for electrical machines and instruments. Ust'inskaya Silk-Twisting Factory is making the new silk. New insulation makes possible an increase in the capacity of the electric machine and a decrease in its size at the same time. First consignment of small-size windings will be ready by 12 March.(17)

Radiofront Artel

17 Jan: Testing of a new electric motor has just been completed at the artel. Until recently the enterprise produced only 0.62-kilowatt motors. Now, it is tooling up to put out 2.2- and 3.2-kilowatt motors. These are intended for metalcutting and woodworking machine tools, ventilating units, and other industrial purposes. Preparations are underway to manufacture blanking dies for stamping rotors, stators, and other parts of dynamic iron.(18)

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5. Moskovskiy Bol'shevik, No 23, 27 Jan 50
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7. Moskovskiy Bol'shevik, No 6, 7 Jan 50
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9. Moskovskiy Bol'shevik, No 9, 11 Jan 50
10. " " No 29, 3 Feb 50
11. Vechernyaya Moskva, No 63, 14 Mar 50
12. " " No 37, 13 Feb 50
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